

SYSTEM AND METHOD FOR PROVIDING COOPERATIVE RESOURCE GROUPS FOR HIGH AVAILABILITY APPLICATIONS

Abstract

A system and method for providing cooperative resource groups for high
5 availability applications, such as cluster databases, is described. A cluster
framework, including a plurality of nodes, is built. A plurality of cooperative
resource groups is formed, each including a logical network address, at least one
monitor and an application providing services and externally accessed using the
logical network address. A plurality of resources is structured, each including a
10 cluster service supporting the services provided by each application. A preferred
node for execution is designated for each cooperative resource group and one or
more possible nodes are provided as standby nodes for each other cooperative
resource group. The services are restarted on a surviving node off a critical path
of the preferred node upon an unavailability of the preferred node, while the
15 logical network address is kept available on each possible node for the
cooperative resource group.